Commonwealth of Kentucky
Division for Air Quality

EXECUTIVE SUMMARY

FINAL
Title V / Synthetic Minor, Construction / Operating
Permit ID: V-05-037(R1)
R. R. Donnelley & Sons Company, Danville Plant
Danville, KY 40422
August 16, 2007
Elahe Houshmand, Reviewer

SOURCE ID:	21-021-00037
SOURCE A.I. #:	381
ACTIVITY ID:	APE20070001

SOURCE DESCRIPTION:

On January 29, 2007, the Kentucky Division for Air Quality (KYDAQ) received an air permit application for a revision to the R. R. Donnelley & Sons Company, Danville Plant Title V permit. The requested significant revision changes listed in the application are as follows:

1. Add a new heatset lithographic printing press KDM-892 (EP 15).
2. Remove presses KDM-881 [03 (03)] and KDM-887 [10 (31)].
3. Add a new regenerative thermal oxidizer (RTO #4). In addition, the recuperative thermal oxidizer #1 will remain in service until the new regenerative thermal oxidizer, RTO #4, is operational. Following start-up of RTO#4, recuperative thermal oxidizer #1 will be used only as an emergency back-up control.

The VOC emissions from press KDM-892 (EP 15) shall be limited to less than 36 tons per year, which will limit the VOC emissions to below the Prevention of Deterioration threshold of 40 tons per year. The facility shall demonstrate compliance with this limitation via records of materials use and VOC content, combined with the thermal oxidizer control system.

The VOC emissions limitation of 36 tons per year from press KDM-892 (EP 15) would reduce its HAP emissions to below the major source threshold limits. As a result, this unit shall not have any HAP emission limits.

VOC destruction efficiency of the new regenerative thermal oxidizer #4 shall be tested in accordance with the requirements of SECTION G 4 of the permit.

U.S. EPA REVIEW:

The U.S. EPA was notified of the issuance of the proposed permit on July 2, 2007 via e-mail. The comment period expired 45 days from the date of e-mail. No comments were received during this period. The permit is now being issued final.